



**CERTIFIED**  
SMALL WIND TURBINE  
Conforms to AWEA 9.1 - 2009  
SWCC-13-03

This Certificate is issued to:

**Pika Energy Inc.**  
35 Bradley Drive, #1  
Westbrook, ME 04092

For the wind turbine:

**T701**

This Certificate represents that the above-identified Small Wind Turbine (SWT) is in conformance with the AWEA *Small Wind Turbine Performance and Safety Standard* (AWEA Standard 9.1 – 2009).

Changes to the SWT system design are to be approved by SWCC. If changes are made to the SWT without approval, this Certificate is not valid and is not in effect.

The wind turbine specifications relevant to this Certificate are provided on the following page.

This Certificate is valid from January 25, 2016 – January 25, 2017. Certification must be renewed annually.

Signature

A handwritten signature in black ink that reads "Lewis Horward".

\_\_\_\_\_  
SWCC Executive Director  
for the Certification Commission

January 25, 2016

Date



PRODUCT CERTIFICATION BODY  
CERT #3299-01

## SWCC Certificate, Page 2

Certification Number: SWCC-13-03

### Wind Turbine Specification:

#### Turbine parameters

Manufacturer .....	Pika Energy Inc.
Model .....	T701
Power Form .....	240 VAC, 1-phase, 60 Hz
Rotor Diameter .....	3.0 m
Rotor Swept Area.....	7.1 m <sup>2</sup>
Cut-In Wind Speed.....	3.0 m/s
Cut-Out Wind Speed .....	N/A
Maximum Power .....	1,816 W
Maximum Voltage .....	401 VDC to inverter 242 VAC from inverter
Maximum Currents .....	5.8 A DC to inverter 11.1 A AC from inverter

#### Turbine Ratings

AWEA Rated Annual Energy @ 5 m/s .....	2,420 kWh
AWEA Rated Sound Level .....	38.3 dB(A)
AWEA Rated Power .....	1.5 kW @ 11 m/s
Peak Power .....	1.7 kW @ 13.5 m/s

#### Design and Duration

Turbine design and duration test comply with AWEA Standard 9.1 – 2009 for an IEC Class II SWT with an average wind speed ( $V_{ave}$ ) of 8.5 m/s and reference wind speed ( $V_{ref}$ ) of 42.5 m/s.